

PRESS RELEASE 1/08

ZOLLER interfaces

– Basis for networked production

Scarcely anywhere in the world does any measuring machine manufacturer other than ZOLLER possess such a wealth of experience with interfaces between machine controllers, production control computers and equipment management systems. Interfaces are the essential ingredient for efficient and forward-looking production.

Not only does ZOLLER provide interfaces for all kinds of production control computers, programming systems and tool and equipment management systems, ZOLLER also and above all supplies interfaces for all CNC tool grinding machines.

The production processes of the future are automated, and, for example, the ZOLLER »num« interface to NUMROTOplus® software makes it possible to implement them: from programming to the grinding process, from grinding wheel measurement through to tool checking with totally reliable inspection logs. You benefit from the highest levels of quality and reliable documentation, save time and costs – and increase your competitiveness. Now and in the future.

The »num« interface between the CNC tool grinding machine and ZOLLER ensures that a ground tool no longer has to be programmed on the ZOLLER »genius 3« as is the case with conventional measuring machines. Instead, programming it once on the CNC tool grinding machine is sufficient for automatic measurement on the ZOLLER »genius 3« measuring machine.

Statement



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 KG

"Once again, the logical further development of the ZOLLER »genius 3« measuring machine has set new standards in testing and measuring technology. The measuring times have been halved yet again by using the new, unique ZOLLER »pilot 3.0« control software.

The new, interactive user system of the ZOLLER »pilot 3.0« software permits rapid and precise measurement with repeatable accuracy, without significant training commitment.

All measurements are illustrated by graphics which facilitate selection. The integrated help function provides the user with direct support for the selected parameter. Customer requirements have been implemented without compromises, thus illustrating the close partnership we have with our users."

Just imagine: you clamp your finished ground tool into a ZOLLER »genius 3« measuring machine and it **detects the tool automatically!** Magic? No – just as you'd expect from ZOLLER!

ZOLLER »num« is the interface between NUMROTOplus® software for tool grinding machines and the ZOLLER »genius 3« universal measuring machine. The programming workstation, CNC grinding machine and measuring machine are all networked together with it: Data for grinding, measuring and checking is available at all stations – automatic and without time lag, without having to enter data again manually and without transmission errors. This means that grinding and sharpening companies as well as tool manufacturers are able to automate their grinding procedures entirely – from programming the grinding machine control through to the totally reliable inspection log.

The ZOLLER interface to NUMROTOplus® software offers you numerous possible ways to save time and costs through networking your production:

This is how it works:

Following programming, the tool is ground in the CNC grinding machine with the »NUMROTOplus®« software.

The programming workstation, CNC grinding machine and ZOLLER »genius 3« work in a network. All data that »NUMROTOplus« required for grinding the tool is transferred from the programming workstation to the »genius 3« measuring machine. Using this grinding data, the ZOLLER software generates a measuring sequence for automatically measuring and checking the ground tool.

Once the tool has been ground, it is simply inserted into the tool holding fixture, the number of the ground tool is called up on the display of the ZOLLER »genius 3«. All required parameters are measured fully automatically at the push of a button. In transmitted and incident light, radial and axial; in short, all the parameters that you as a user need. Independently, the »genius 3« measuring machine generates inspection logs that can be edited as required. Many of these are stored in one data record and can be both printed and exported.

You have control over your costs with the ZOLLER »genius 3« measuring machine and the interface to the tool grinding machine.



Caption:

ZOLLER »genius 3« universal measuring machine with new »pilot 3.0« control software, with various applications – convincingly simple to operate.

Programming is only done once for grinding and measuring tools, and only has to be performed on the tool grinding machine controller. ZOLLER does the rest for you fully automatically on the »genius 3«.

Come and see for yourself. Visit us at this year's Grindtec 2008 in Augsburg. We look forward to showing you on the spot the advantages of the ZOLLER »genius 3« universal measuring machine, equipped with the innovative »pilot 3.0« control software as well as ZOLLER interfaces.

You will find us in Hall 1, stand 137.

The ZOLLER sales team is looking forward to your visit.

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**ZOLLER at
Grindtec 2008
Hall 1, stand 137**